

# **INFORMATION HANDOUT**

**For Contract No. 07-287604**

**At LA-101-PM 8.5/9.4**

**Identified by**

**Project ID 0700020928**

## **MATERIALS INFORMATION**

Summary of Foundation Recommendation Reports

ADL Data and Location Maps

Fiber Optic As-Built Drawings

**Kim, Esther M@DOT**

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**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Thursday, February 26, 2015 4:36 PM  
**To:** Liu, Haitao@DOT  
**Cc:** Kim, Esther M@DOT  
**Subject:** RE: Urgent - FW: EA 07-287601- Request for Geotechnical design review and recommendation

Thanks.

*Mohammed Chowdhury, P.E.*

Design Manager/Senior Transportation Engineer  
Office of Traffic Design  
California Department of Transportation  
District 07, Division of Operations  
100 South Main Street, MS#15  
Los Angeles, CA 90012  
Tel. # (213) 897-0730

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**From:** Liu, Haitao@DOT  
**Sent:** Thursday, February 26, 2015 4:30 PM  
**To:** Chowdhury, Mohammed A@DOT  
**Cc:** Yang, Hung Po Po@DOT; Jang, Deh-Jeng@DOT  
**Subject:** RE: Urgent - FW: EA 07-287601- Request for Geotechnical design review and recommendation

Mohammed,

We have reviewed the details for the proposed modified Type 21 decorative steel poles, and related information in the Standard Plans (2010).

Based on our understanding of the subsurface conditions at the project site, the proposed CIDH pile foundation size depicted on contract plan (SES-1) is adequate.

Please let us know if you have any question.

Haitao Liu, P.E.  
(916) 227-0992

Office of Geotechnical Design South - 1  
Division of Engineering Services  
Department of Transportation, California

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**From:** Jang, Deh-Jeng@DOT  
**Sent:** Thursday, February 26, 2015 11:03 AM

**To:** Liu, Haitao@DOT  
**Cc:** Chowdhury, Mohammed A@DOT; Yang, Hung Po Po@DOT  
**Subject:** Urgent - FW: EA 07-287601- Request for Geotechnical design review and recommendation

Haitao:

Please take care of this request, thank you.

David

Deh-Jeng jang, Ph.D., P.E., G.E. PMP  
Branch A Chief  
Office of Geotechnical Design South - 1  
Caltrans/DES/METS and Geotechnical Services  
Phone (916) 227-5722 / Cell (916) 201-1298

**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Thursday, February 26, 2015 10:56 AM  
**To:** Jang, Deh-Jeng@DOT  
**Cc:** Karimi, Shiva@DOT  
**Subject:** FW: EA 07-287601- Request for Geotechnical design review and recommendation

Deh-Jenh

Looks like Hung Yang is out of the office. Can you please assign someone to review the DES Pile foundation design.

*Mohammed Chowdhury, P.E.*  
Design Manager/Senior Transportation Engineer  
Office of Traffic Design  
California Department of Transportation  
District 07, Division of Operations  
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**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Thursday, February 26, 2015 10:54 AM  
**To:** Yang, Hung Po Po@DOT  
**Cc:** Jang, Deh-Jeng@DOT; Karimi, Shiva@DOT; Kim, Esther M@DOT; Rahimzadeh, Javad@DOT  
**Subject:** EA 07-287601- Request for Geotechnical design review and recommendation

Hung

We sent you a request memo on May. 2014 for Geotech review of our proposed retaining wall foundation. You were working on the above project. Sometime in September 2014, we decided to use only Type 60C barrier instead of



retaining wall. Therefore, we did not follow up with you further since we planned to use standard barrier. Our electrical has proposed to use decorative light pole and DES has given us structure plan including pile foundation. You may find DES Light pole plan in last sheet of attached plan set. I hope DES Structure have consulted while designing pile dia and length. The PS&E is in final review in District Office Engineers office and soon be RTld. However, our District OE has advised us to run through Geotech if the recommended file length is adequate. Therefore, I am sending you the project plan sheets those are relevant to your review. Please review and give your clearance or comment ASAP.

*Mohammed Chowdhury, P.E.*

Design Manager/Senior Transportation Engineer  
Office of Traffic Design  
California Department of Transportation  
District 07, Division of Operations  
100 South Main Street, MS#15  
Los Angeles, CA 90012  
Tel. # (213) 897-0730

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**From:** Jang, Deh-Jeng@DOT  
**Sent:** Wednesday, May 28, 2014 1:02 PM  
**To:** Chowdhury, Mohammed A@DOT  
**Cc:** Kim, Esther M@DOT; Yang, Hung Po Po@DOT  
**Subject:** FW: EA 07-287601- Request for Geotechnical design review and recommendation

Mohammed:

My staff, Hung Po Yang, has been assigned to this project.

David

Deh-Jeng jang, Ph.D., P.E., G.E. PMP  
Branch A Chief  
Office of Geotechnical Design South - 1  
Caltrans/DES/METS and Geotechnical Services  
Phone (916) 227-5722 / Cell (916) 201-1298

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**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Friday, May 23, 2014 2:25 PM  
**To:** Ehsan, John@DOT  
**Cc:** Rahimzadeh, Javad@DOT; Kim, Esther M@DOT; Noroozi, Homar@DOT  
**Subject:** EA 07-287601- Request for Geotechnical design review and recommendation

We are preparing PS&E for a safety lighting project along the right shoulder of southbound Route LA 101 from approximately PM 8.50 (0.24 mile south of Mulholland Drive Overcrossing Bridge) to PM 9.047 (0.30 mile north of Mulholland Drive Overcrossing Bridge) in Los Angeles County. This project also proposes to install

approximately 600 feet of Type 60/60C concrete barrier/concrete retaining wall between PM 8.933 and PM 9.047.

As a part of the project scope, we have prepared retaining wall design for 170 ft long stretch. I would like to request your office to kindly review the plans and determine whether this proposed retaining wall is adequate for retaining the earth and design/construction details is acceptable from geotechnical engineering point of view.

Attached please find a request memo and draft plan for your review. Please review and provide us necessary Geotechnical recommendation/concurrence.

Javad Rahimzadeh is the project manager of this project. For any resource need, please call Javad.

*Mohammed Chowdhury P.E.*

Design Manager/Senior Transportation Engineer  
Office of Traffic Design  
California Department of Transportation  
District 07, Division of Operations  
100 South Main Street, MS#15  
Los Angeles, CA 90012  
Tel. # (213) 897-0730



# Stantec

## AERIALY DEPOSITED LEAD SITE INVESTIGATION REPORT

ADL SITE INVESTIGATION FOR ROADSIDE  
IMPROVEMENTS, LOS ANGELES COUNTY,  
CALIFORNIA

LOCATION: LA-101, PM 8.5/9.5

PROJECT NUMBER: 0700020928

EA NUMBER: 07-287601

CONTRACT NO. 07A3322

TASK ORDER NO. 22

STANTEC PROJECT NO.: 185832022

Submitted to:

California Department of Transportation,  
District 7

100 South Main Street

Los Angeles, California 90012

Submitted by:

Stantec Consulting Services Inc.

25864-F Business Center Drive

Redlands, California 92374

Prepared by:

Kristy Eablad

Senior Engineer, P.E.

Reviewed by:

Anne E. Perez

Associate Geologist

Approved by:

Kevin Miskin, P.E. C48458

Principal Engineer

Submitted: February 6, 2015





TABLE 1  
SUMMARY OF SOIL ANALYTICAL RESULTS - LEAD and pH  
ADL SITE INVESTIGATION  
LA-101, PM 8.5/9.5  
LOS ANGELES COUNTY, CALIFORNIA  
EFIS:0700020928 (EA#287601)  
TASK ORDER #22  
CONTRACT 07A3322

Boring	Sample ID	Total Lead <sup>(1)</sup> (mg/kg)	Soluble Lead <sup>(1)</sup> Cal WET-Citric (mg/L)	Soluble Lead <sup>(1)</sup> Cal WET-DI (mg/L)	Soluble Lead <sup>(1)</sup> TCLP (mg/L)	pH <sup>(2)</sup>
1275-101	1275-101-0	800	42	4.0	0.78	--
	1275-101-1	7.0	0.48 NJ	--	--	--
	1275-101-2	39	2.5 J	--	--	--
1275-102	1275-102-0	2200	110	4.9	1.5	--
	1275-103-0	7100	270	16	5.1	5.6
1275-103	1275-103-1	690	36	4.2	1.1	--
	1275-103-2	390	20	2.0	0.81	--
	1275-104-0	2100	100	6.8	1.4	--
1275-104	1275-104-1	130	3.5	--	--	--
	1275-104-2	85 J	2.1	--	--	--
	1275-105-0	2500	120	6.7	2.1	5.8
1275-105	1275-105-1	890	69	6.4	1.4	--
	1275-105-2	440	28	2.6	0.83	--
	1275-106-0	750	46	2.5 J	0.80	--
1275-106	1275-106-1	200	13	1.7	0.27	--
	1275-107-0	250 J	9.0	0.21 NJ	0.034 NJB	--
	1275-107-1	15	0.41 NJ	--	--	--
1275-107	1275-107-2	27	0.59 NJ	--	--	--
	1275-108-0	3900	190	33	7.5	6.4
1275-108	1275-108-1	130	4.3	--	--	--
	1275-108-2	11	0.23 NJ	--	--	--
	1275-109-0	2800	130	20	4.8	5.9
1275-109	1275-109-1	2400	120	26	6.2	--
	1275-109-2	25	0.82 NJ	--	--	--
	1275-110-0	6100	330	51	10	6.6
1275-110	1275-110-1	630	33	3.6	0.78	--
	1275-110-2	4.7	0.30 NJ	--	--	--
	1275-111-0	4800	81	14 J	4.2 J	6.6
1275-111	1275-111-1	28	3.1	--	--	--
	1275-111-2	42 J	0.40 NJ	--	--	--
Minimum		4.7	0.23	0.21	0.034	5.6
Maximum		7100	330	51	10	6.6
Mean		1316.1	58.9	--	--	--
Standard Deviation		1915.2	83.2	--	--	--
Type X Material Non Hazardous		<1000	<5	--	<5	>2 and <12.5
Type Y-1 Material California Non-RCRA Hazardous Waste		≤1411	--	≤1.5	<5	>5.5 and <12.5
Type Y-2 Material California Non-RCRA Hazardous Waste		≤3397	--	≤150	<5	>5 and <12.5
Type Z-2 Material California Non-RCRA Hazardous Waste		≥1000	≥5	--	<5	>2 and <12.5
Type Z-3 Material RCRA Hazardous Waste		--	--	--	≥5	≤2 or ≥12.5
California Human Health Screening Level <sup>3</sup>		320	--	--	--	--
USEPA Regional Screening Level <sup>4</sup>		800	--	--	--	--

**Notes:**

- (1) Total Lead, California Waste Extraction Test (Cal WET - Citric), and Toxicity Characteristic Leaching Procedure (TCLP) analysis done using EPA method 6010B. Extraction methods vary.
  - (2) pH determined with EPA method 9045B.
  - (3) California Human Health Screening Levels for Commercial/Industrial and Residential Land Use, Soil, California Environmental Protection Agency, January 2005; updated 2010 Office of Environmental Health Hazard Assessment Table 1.
  - (4) United States Environmental Protection Agency (Region 9) Regional Screening Levels (RSLs; in mg/kg) for VOCs for industrial and residential soil (last updated May 2013)
- mg/kg = milligrams per kilogram  
mg/L = milligrams per liter  
-- = Not analyzed or not applicable  
Bold = Exceeds threshold limit  
J - The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.  
NJ - The analyte indicates the presence of an analyte that has been "tentatively identified" and the associated numerical value represents its approximate concentration.  
B - The analyte was detected in the method, field and/or trip blank.



FILEPATH: \\C:\AD\37\client\citra\citra\10207\AS322\22.dwg (10/20/2015 2:20:15 PM) PC: L-1

**LEGEND**  
● **SAMPLE LOCATION**

SAMPLE ID	DEPTH	Total Pb	WET-CIRC	WET-DI	TCLP	pH
1275-101	0"	800	42	4.0	0.78	NA
1275-102	0"	7.0	0.48	NA	NA	NA
1275-103	0"	380	20	2.0	0.81	NA
1275-104	0"	2,100	100	8.8	1.4	NA
1275-105	0"	1,300	120	6.7	2.1	NA
1275-106	0"	750	48	2.5 J	1.7	NA

Total Pb = Total Lead (mg/kg)  
WET-CIRC = Soluble Lead Cal Wet-Circ (mg/L)  
WET-DI = Soluble Lead Cal Wet-DI (mg/L)  
TCLP = Soluble Lead Toxicity Characteristic Leaching Procedure (mg/L)  
pH = pH  
J = Not Analyzed  
NA = The analysis was positively identified, the associated numerical value is the approximate concentration of the analyte in the sample  
= The analysis indicates the presence of an analyte that has been tentatively identified and the associated numerical value represents its approximate concentration  
= The analyte was detected in the method, field and/or trip blank

**Stantec**

200 Camp Ridge Avenue  
Folsom, CA 95630  
PHONE: (916) 230-1288 FAX: (916) 230-1277

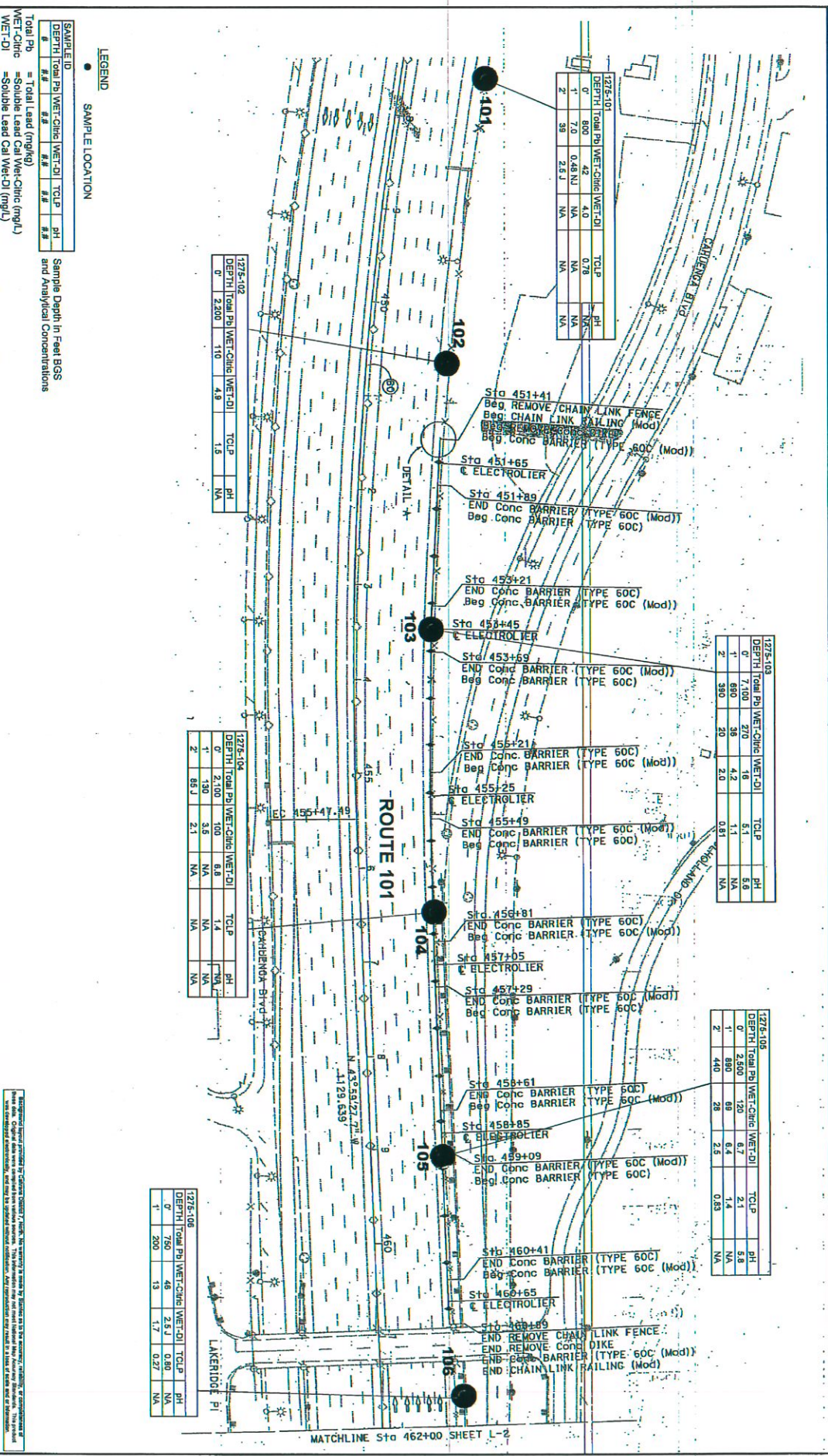
FOR: ADL Site Investigation  
Agreement No. 07/AS322  
LA-101 PM 8.50.6  
P/N: FBS: 0700202022 EA Number: 287601

JOB NUMBER: 16830202.200 DRAWN BY: RAR CHECKED BY: KE APPROVED BY: KE DATE: 01/29/15

**SITE PLAN**  
L-1

**FIGURE: 2**

NOT TO SCALE







## **Tareque, Akm@DOT**

---

**From:** Moghadam, Shokoufeh T@DOT  
**Sent:** Tuesday, June 02, 2015 9:32 AM  
**To:** Caldwell, Linda Q@DOT  
**Cc:** Tareque, Akm@DOT  
**Subject:** RE: Cubicle adjustment 06/03/15

Good morning Linda,  
I will be here tomorrow. I am on 4<sup>th</sup> floor, cubical number 146 and look forward to seeing you and the vendor.  
Thank you,

Shokoufeh

---

**From:** Caldwell, Linda Q@DOT  
**Sent:** Tuesday, June 02, 2015 9:14 AM  
**To:** Moghadam, Shokoufeh T@DOT  
**Subject:** Cubicle adjustment 06/03/15

Good morning Shokoufeh,

Will you be available on Wednesday, 06/03/15 after 9:00 am? The vendor would like to come out tomorrow morning to look at your cubicle. If he is able to do the adjustments, he will do it then. What is your cubicle number? I remember you are on the 4<sup>th</sup> floor. Hopefully I will see you tomorrow.

Linda Caldwell  
Caltrans Safety  
District 7  
(213) 897-0474 office  
(213) 910-7577 cell  
(213) 897-7062 FAX



**From:** [Mohsin, Munshi M@DOT](mailto:Mohsin.Munshi@DOT)  
**To:** [Chowdhury, Mohammed A@DOT](mailto:Chowdhury.MohammedA@DOT)  
**Cc:** [Yoon, Andrew U@DOT](mailto:Yoon.Andrew@DOT)  
**Subject:** RE: EA 287601 -- ADL soil recommendation  
**Date:** Wednesday, February 25, 2015 1:13:42 PM

---

The 480+10 is a typo, should have been 468+10. Please, see Figure 3, hatched area of the ADL report, that was provided recently.

---

**From:** Yoon, Andrew U@DOT  
**Sent:** Tuesday, February 24, 2015 3:24 PM  
**To:** Mohsin, Munshi M@DOT  
**Subject:** FW: EA 287601 -- ADL soil recommendation

Pls respond. Thanks!

Andrew Yoon, P.E.  
Senior Transportation Engineer  
Air Quality Branch  
Office of Environmental Design  
Department of Transportation, District 7  
Ph: 213.897.6117  
Fx: 213.897.1634

---

**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Tuesday, February 24, 2015 2:13 PM  
**To:** Yoon, Andrew U@DOT; Nili-Esfahani, Ali@DOT  
**Subject:** FW: EA 287601 -- ADL soil recommendation

Andrew

I am not sure if Munshi is in vacation. Please review my email and respond. We have scheduled to make QR this Friday.

*Mohammed Chowdhury, P.E.*

Design Manager/Senior Transportation Engineer  
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California Department of Transportation  
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**From:** Chowdhury, Mohammed A@DOT  
**Sent:** Monday, February 23, 2015 1:17 PM  
**To:** Mohsin, Munshi M@DOT  
**Cc:** Kim, Esther M@DOT; Elizondo, Oswald U@DOT  
**Subject:** EA 287601 -- ADL soil recommendation

Munshi

Please review the note below that we would like to put in our plans to address the ADL soil excavation. Please review and let us know if these notes cover your intended ADL recommendation. I would also like you to review the station of Type Z-3 limits as you mentioned in your recommendation. Looks like, Station 471+0 to 473+60 falls between Station 465+50 to 480+10. Please check the station "480+10".

-  
-

For Civil Plans

There is a presence of Aerially Deposited Lead (ADL) on the unpaved soil outside the existing dike. Between Stations 465+50 to 480+10, the excavation of first 1 ft soil in the existing unpaved dirt area shall be excavated as Roadway Excavation (Type Z-3) (ADL) and next 1 ft shall be excavated as Roadway Excavation (Type Z-2) (ADL). The excavation of first 2 ft soil in all other unpaved dirt area shall be excavated as Roadway Excavation (Type Z-2) (ADL).

For Electrical Plans

There is a presence of Aerially Deposited Lead (ADL) on the unpaved soil outside the existing dike. Between Stations 465+50 to 480+10, the excavation of first 1 ft soil for CIDH Pile Foundation in the existing unpaved dirt area shall be excavated as Roadway Excavation (Type Z-3) (ADL) and next 1 ft shall be excavated as Roadway Excavation (Type Z-2) (ADL). The excavation of first 2 ft soil for CIDH Pile Foundation in all other unpaved dirt area shall be excavated as Roadway Excavation (Type Z-2) (ADL).

*Mohammed Chowdhury, P.E.*

Design Manager/Senior Transportation Engineer  
Office of Traffic Design  
California Department of Transportation  
District 07, Division of Operations  
100 South Main Street, MS#15  
Los Angeles, CA 90012  
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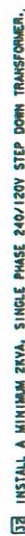
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NOTE: FOR LEGEND AND PROJECT NOTES SEE SHEETS E-1 AND E-2.  
THIS PLAN ACCURATE FOR ELECTRICAL WORK ONLY.

**සුඛප්ප ඡත්ත**

